



NCDOT Prioritization 3.0 Project Summary

SPOT ID: H141232

Mode: Highway

Status: Submitted

US-74 (Eastwood Road)

From/Cross Street: SR1409 (Military Cutoff Road)

Specific Improvement Type: 7 - Upgrade At-grade Intersection to Interchange or Grade Separation

To:

Project Category: Statewide Mobility

Length: 2

TIP#:

Fully Funded in Draft STIP? Yes Statewide Mobility

Cost to NCDOT: \$25,110,000

Description:

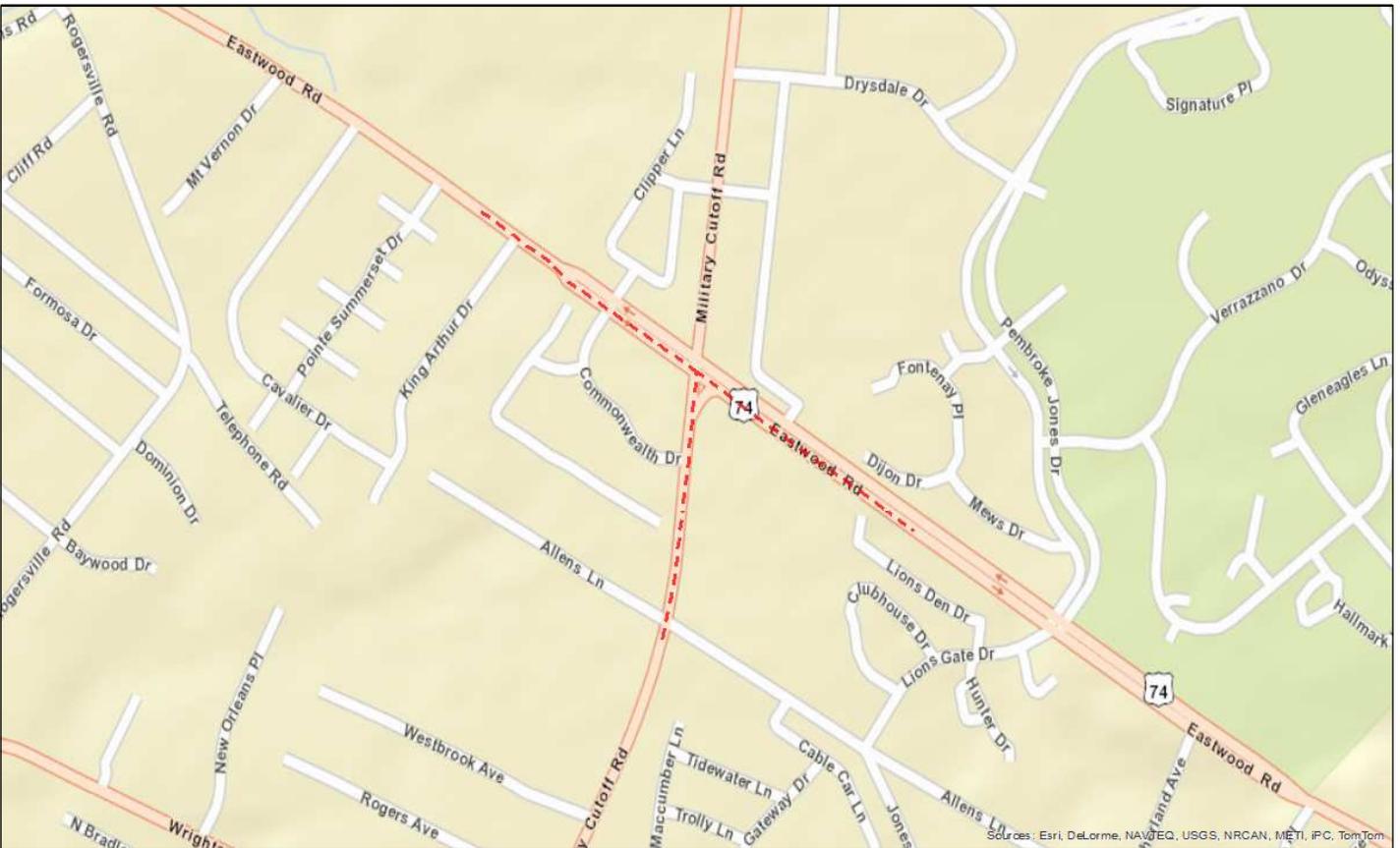
Convert at-grade intersection to an interchange

Division(s): Division 3

County(s): NEW HANOVER

MPOS(s)/RPO(s): Wilmington Urban Area MPO

Project Location



Sources: Esri, DeLorme, NAVTEQ, USGS, NRCAN, METI, IPC, TomTom

Statewide Mobility Total Score: 58.84

Quantitative Score	Division Engineer Local Input Points	MPO/RPO Local Input Points
[Travel Time] Benefit/Cost (30%) 44.58 Congestion (V/C) (30%) 80.79 Safety (10%) 50.00 Economic Competitiveness (10%) 93.87 Multimodal + [Freight & Military] (20%) 34.20	N/A	N/A
Totals: Weight: 100% Weighted Score: 58.84		

Regional Impact Total Score: 0

Quantitative Score	Division Engineer Local Input Points	MPO/RPO Local Input Points
[Travel Time] Benefit/Cost (20%) 44.58 Multimodal + [Freight & Military] (25%) 34.20 Safety (25%) 50.00	Percent: 15% Points:	Percent: 15% Points:
Totals: Weight: 70% Weighted Score: 29.97		

Division Needs Total Score: 0

Quantitative Score	Division Engineer Local Input Points	MPO/RPO Local Input Points
Congestion (V/C) (20%) 80.79 Safety (20%) 50.00 Multimodal + [Freight & Military] (10%) 34.20	Percent: 25% Points:	Percent: 25% Points:
Totals: Weight: 50% Weighted Score: 29.58		

Project Data ***Existing Conditions**

Existing Cross-Section:	
Speed Limit:	45
Length (miles);	2
Facility Type:	Arterial
Access Control:	None
Functional Classification:	Other Principal Arterial
Terrain Type:	Level
Lane Width:	12
Paved Shoulder Width:	0
Roadway has Curb & Gutter?	No
Volume (AADT):	60002.25
Capacity:	63400
Volume/Capacity Ratio:	0.95
% Autos:	96%
% Trucks:	4%
Truck Volume:	2108.65
Crash Density:	0
Crash Severity:	0
Critical Crash Rate:	0
Crash Frequency:	66.7
Severity Index:	33.3
County Tier Designation:	3
Non-Interstate STRAHNET Route?	Yes
Average Commuting Time:	18
Existing Median Type (for Cost Estimation):	TWLTL
Pavement Condition Rating:	89
Actual Congested Speed:	0
Travel Time Index:	

Project Benefits

Project Cross-Section:	
Speed Limit:	45
Length (miles):	2
Facility Type:	Arterial
Access Control:	Full
Functional Classification:	Other Principal Arterial
TerrainType:	Level
DOT Design Lane Width:	12
DOT Design Paved Shoulder Width:	4
Travel Time Savings for 30 Years (Total):	50149000
Travel Time Savings for 30 Years (Autos):	48386621.22
Travel Time Savings for 30 Years (Trucks):	1762378.78
Long-Term Employment:	802.96
% Change in Economy:	0.00107448
Provides Direct Connection to Transportation Terminal?	No
Does project upgrade how the roadway functions?	Yes
In CTP or LRTP?	No
CTP/LRTP Name:	
CTP/LRTP Completion Year:	
Submitted by:	Wilmington Urban Area MPO

* Data reflects calculations which include weighted averages (where applicable) and represent raw output from the Department's SPOT On!ine tool and associated databases.

Project Ownership

Division

Division	Percent	Regional Impact	Division Needs
Division 3	100%	0	0
	0%	0	0
	0%	0	0
TOTAL Division Points		0	0

MPO/RPO

MPO/RPO	Percent	Regional Impact	Division Needs
Wilmington Urban Area MPO	100%	0	0
	0%	0	0
	0%	0	0
TOTAL MPO/RPO Points		0	0

Project Cost and Source

Construction Cost:	\$20,250,000	Cost Estimation Tool
Right-of-Way Cost:	\$4,860,000	Cost Estimation Tool
Utilities Cost:	\$0	Cost Estimation Tool
Total Project Cost:	\$25,110,000	
Other Funding:	\$0	None
Cost to NCDOT :	\$25,110,000	